

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025651**Date Inspected:** 24-Jul-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	N/A	CWI Present:	Yes	No
Inspected CWI report:	Yes No N/A	Rod Oven in Use:	Yes No N/A	
Electrode to specification:	Yes No N/A	Weld Procedures Followed:	Yes No N/A	
Qualified Welders:	Yes No N/A	Verified Joint Fit-up:	Yes No N/A	
Approved Drawings:	Yes No N/A	Approved WPS:	Yes No N/A	
		Delayed / Cancelled:	Yes No N/A	
Bridge No:	34-0006	Component:	OBG	

Summary of Items Observed:

On this date CALTRANS OSM Quality Assurance (QA) Inspector, Mr. Paul Dawson, arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai China, for the purpose of monitoring welding and fabrication of the San Francisco / Oakland Bay Bridge (SFOBB) components. This QA Inspector observed the following:

Caltrans and ABF have agreed to conduct visual and magnetic particle inspections (MT) of segment 13 West welds as part of a special inspection program, reference NWIT 9805. This QA Inspector observed ABF Inspectors had completed and accepted MT inspections of welds: SP3143A-001-071, 072, 073, 074, 075, 076, 077, 078, 079, 080, 081, 082, 083, 084; SP3142C-001-139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152; SP3141B-001-180, 181, 183, 185, 186, 187, 188, 189, 190, 191, 192, 193; SP3140B-001-117 and 118. ABF Inspectors rejected welds: SP3141B-001-182 and 184. ZPMC workers performed welding and grinding of these two welds. This QA Inspector performed random visual and magnetic particle inspection of welds: SP3143A-001-074, 075, 076; SP3142C-001-142, 143, 144, 145, 146; SP3141B-001-185, 187, 192, 193; SP3140B-001-117 and 118 and these welds appear to comply with AWS D1.5 MT and visual requirements. For additional information on these inspections see this QA Inspector's TL6028 Magnetic Particle Test Report. See the photograph below for additional information.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)



Summary of Conversations:

See Above.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang phone: 150-0042-2372 , who represents the Office of Structural Materials for your project.

Inspected By:	Dawson,Paul	Quality Assurance Inspector
Reviewed By:	Riley,Ken	QA Reviewer
